**Supplementary Material**

**Table S1.** Description of breakfast food groups, food group contents and prevalence of consumers according to age group and BQI category. Sao Paulo, 2015.

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Group** | **Content examples** | **Total population** | **Adults** | **Older Adults** | **Low BQI** | **Medium BQI** | **High BQI** |
| **%** | **SE** | **%** | **SE** | **%** | **SE** | **%** | **SE** | **%** | **SE** | **%** | **SE** |
| Alcoholic beverages | Fermented and distilled alcoholic beverages | 0.27 | 0.00 | 0.24 | 0.00 | 0.24 | 0.00 | 0.29 | 0.00 | 0.33 | 0.00 | . | . |
| Breakfast cereals | Oatmeal, granola, corn flakes  | 2.57 | 0.01 | 2.39 | 0.01 | 0.03 | 0.01 | 0.49 | 0.00 | 1.53 | 0.00 | 8.94 | 0.03 |
| Butter and margarine | Butter and margarine | 43.43 | 0.02 | 42.91 | 0.02 | 44.63 | 0.02 | 35.73 | 0.03 | 48.53 | 0.02 | 30.38 | 0.04 |
| Cakes | Cakes with or without topping and filling | 3.13 | 0.01 | 3.12 | 0.01 | 3.15 | 0.01 | 3.06 | 0.01 | 3.45 | 0.01 | 1.90 | 0.01 |
| Coffee | Powder, instant, brewed coffee | 74.14 | 0.02 | 70.01 | 0.02 | 83.51 | 0.02 | 79.39 | 0.04 | 74.95 | 0.02 | 65.53 | 0.04 |
| Cold cuts | Ham, salami, turkey ham | 6.01 | 0.01 | 6.57 | 0.01 | 4.75 | 0.01 | 6.13 | 0.02 | 5.62 | 0.01 | 7.50 | 0.02 |
| Fruit drinks and sodas | Ready-to-drink or powder juices, regular or diet sodas | 2.77 | 0.01 | 3.64 | 0.01 | 0.78 | 0.00 | 7.43 | 0.02 | 2.30 | 0.01 | . | . |
| Dairy products | Cheeses, yogurt, cheese spread, cream cheese | 20.60 | 0.01 | 17.45 | 0.02 | 27.75 | 0.02 | 3.44 | 0.01 | 18.80 | 0.02 | 45.24 | 0.05 |
| Eggs | Boiled, fried, scrambled eggs | 0.02 | 0.04 | 2.54 | 0.01 | 1.38 | 0.00 | 3.07 | 0.02 | 1.61 | 0.01 | 3.66 | 0.01 |
| Flavored powder juices  | Flavored powders or ready-to-drink beverages | 5.13 | 0.01 | 6.52 | 0.01 | 1.98 | 0.01 | 0.91 | 0.01 | 6.42 | 0.01 | 4.11 | 0.01 |
| 100% Fruit juices and smoothies | Lemonade, pineapple, strawberry juices or smoothies  | 4.83 | 0.01 | 4.86 | 0.01 | 4.74 | 0.01 | . | . | 3.54 | 0.01 | 14.93 | 0.04 |
| Fruits | Fresh fruits | 14.86 | 0.01 | 11.74 | 0.02 | 21.95 | 0.02 | . | . | 8.69 | 0.01 | 55.05 | 0.04 |
| Meats | Fresh red or white meats | 0.76 | 0.00 | 0.71 | 0.00 | 0.90 | 0.00 | 1.92 | 0.01 | 0.50 | 0.00 | 0.70 | 0.01 |
| Milk | Whole, low-fat or non-fat milk | 56.39 | 0.02 | 52.89 | 0.02 | 64.35 | 0.02 | 18.59 | 0.04 | 61.89 | 0.02 | 71.94 | 0.04 |
| Nuts and seeds | Brazilian nuts, cashew nuts, chia seed, peanuts | 0.87 | 0.00 | 0.36 | 0.00 | 2.03 | 0.01 | 0.26 | 0.00 | 0.68 | 0.00 | 2.28 | 0.01 |
| Others | Formulas, coconut milk, tapioca, dips, spices | 8.55 | 0.01 | 9.14 | 0.01 | 9.15 | 0.01 | 9.79 | 0.03 | 7.36 | 0.01 | 12.18 | 0.02 |
| Savory snacks and pizza | Fried or baked pastries, e.g. "esfiha", "coxinha", croissant, cheese bread, pizza | 3.70 | 0.01 | 4.87 | 0.01 | 1.03 | 0.00 | 0.02 | 0.01 | 3.65 | 0.01 | 5.57 | 0.02 |
| Sugar, honey and jam | Added sugar, white or brown sugar, honey, jams | 53.66 | 0.02 | 0.56 | 0.03 | 46.59 | 0.03 | 71.09 | 0.04 | 54.81 | 0.02 | 31.47 | 0.04 |
| Sweeteners | Liquid or powder sweeteners | 16.35 | 0.01 | 10.72 | 0.01 | 29.16 | 0.02 | 9.88 | 0.03 | 14.89 | 0.01 | 28.85 | 0.04 |
| Sweets and candies | Chocolate, cookies, puddings, candies | 2.50 | 0.01 | 3.11 | 0.01 | 1.27 | 0.01 | 2.02 | 0.01 | 2.95 | 0.01 | 1.44 | 0.01 |
| Tea | Herbal, black tea | 3.64 | 0.01 | 3.57 | 0.01 | 3.81 | 0.01 | 5.19 | 0.02 | 3.05 | 0.01 | 4.52 | 0.02 |
| Typical lunch dishes | Black and Pinto beans, white and brown rice, pasta | 0.99 | 0.00 | 0.88 | 0.00 | 1.25 | 0.005 | 1.58 | 0.01 | 0.1 | 0.00 | 0.56 | 0.04 |
| Vegetables | Broccoli, kale, tomato, potato | 1.47 | 0.00 | 0.99 | 0.00 | 2.57 | 0.01 | . | . | 0.76 | 0.00 | 5.89 | 0.02 |
| White bread and crackers | White bread and crackers  | 71.18 | 0.02 | 71.95 | 0.02 | 69.44 | 0.02 | 52.50 | 0.04 | 76.33 | 0.02 | 68.99 | 0.04 |
| Whole wheat bread and crackers | Whole wheat bread and crackers  | 6.00 | 0.01 | 3.85 | 0.01 | 10.89 | 2.00 | 0.94 | 0.01 | 5.05 | 0.01 | 15.03 | 0.03 |

Abbreviations: BQI, Brazilian Breakfast Quality Index; SE, Standard Error.

Missing values: no observations

**Figure S1 –** Percentage of energy contribution (%) of foods groups to breakfast in the ISA-Nutrition according to **(a)** age group and **(b)** BQI category.

**(a)**

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 **(b) **

Abbreviation: BQI, Brazilian Breakfast Quality Index